

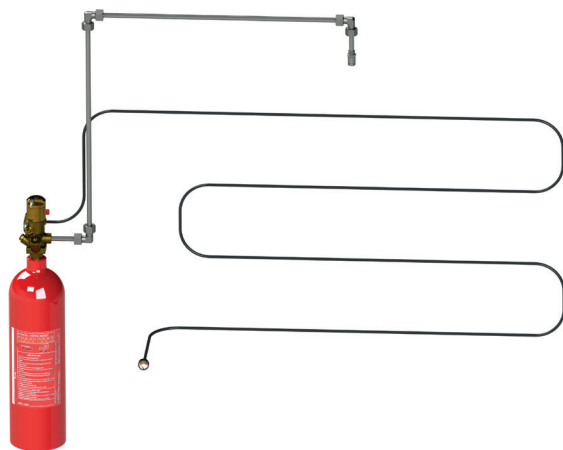
↘ The **FIRETREX[®]** indirect high pressure automatic suppression system CO₂, is a solution mixing detection and extinction.

↘ Simple, autonomous, without any electrical connexion, without electronic part, easy and fast to install.

FIRETREX[®] ensures the continuity of your work assets.

- **FIRETREX[®]** indirect high pressure is composed by a multilayer polymere tube, a CO₂ bottle (acting as extinction agent) and an extinction pipe.
- When temperature rises or a flamme is detected, the tube blows and open the indirect valve, which send the CO₂ throught the extinction pipe & nozzles. In few seconds, the fire is extinguished.

↘ TANKS



CAPACITY	ITEM N°
CO₂	
FIRETREX CO ₂ 2 Kg	A001008
FIRETREX CO ₂ 5 Kg	A001009
FIRETREX CO ₂ 10 Kg short body	A001010
FIRETREX CO ₂ 10 Kg long body	A020857
FIRETREX CO ₂ 20 Kg	A001011
FIRETREX CO ₂ 30 Kg	A000359
FIRETREX CO ₂ 50 Kg	A023308



CRITICAL INFORMATION

- CO₂ acts by smothering on electrical fires and Class B fires,
- Tanks: 2, 5, 10, 20, 30 and 50 kg,
- Tube bursting temperature : 148°C at 18 bar,

LIMITS :

- Cabinet volume 35m³,
- 50 m of detector tube maximum,
- Length of discharge pipe: 20 m,
- Number of filling nozzles: 10,
- Number of blowing nozzles: 6,
- 5 directional valves maximum.

* To be validated by calculation note

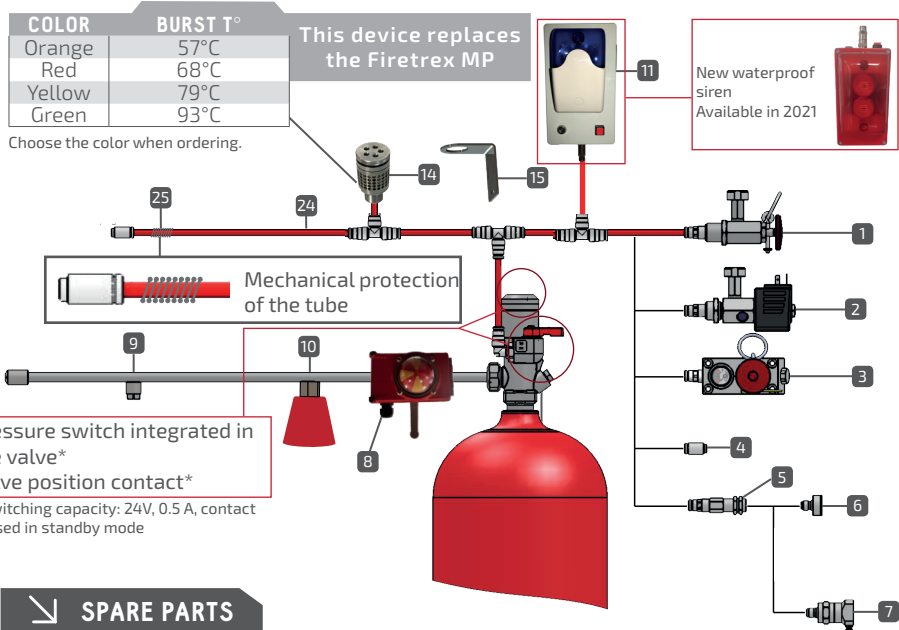
CAPACITY	PIPE LENGTH	FILLING NOZZLE	BLOWER BUSHES	MAXIMUM SEALED VOLUME* (ELECTRICAL RISKS)
Item N°		A014083	A020280	
2 Kg	5 m	1	1	1,5 m ³
5 Kg	10 m	2	2	3,5 m ³
10 Kg	10 m	4	2	7 m ³
20 Kg	20 m	6	2	14 m ³
30 Kg	20 m	8	4	21 m ³
50 Kg	20 m	10	6	35 m ³

CHECKING THE DIMENSIONS USING THE CALCULATION SOFTWARE:

↘ The installer must check the dimensions of the cabinets and the dimensions of the room that receives the cabinet in order to verify the CO₂ concentration after release. For information, the maximum duration of exposure to CO₂ depending on the concentration is :

MAXIMUM EXPOSURE TIME	CONCENTRATION
Few hours	< 1%
15 minutes	< 5%
90 seconds	< 10%
20 seconds	< 25%

↘ These disorders increase with the percentage of CO₂ in the atmosphere. Above 25%, central nervous system depression can be observed, with sometimes convulsive coma and death. These disorders can appear very abruptly if the transition between the normal atmosphere and the polluted atmosphere is rapid. The action is reinforced if the atmosphere is strongly depleted in oxygen.



SPARE PARTS

N°	DESIGNATION	ITEM N°
1	Manual extinguishing control	A002426
2	Solenoid valve	A014732
3	Manual Mushroom Trigger Metal housing (indirect valve)	A016627
	Safety cover for release A016627	A016628
4	End of line plug FIRETREX tube	A014571
5+6	End Cap CO2 Line, N ² + Pressure Gauge	A002429
5	End Cap CO2 Line, N ² without Pressure Gauge	A019088
6	FIRETREX pressure gauge only	A001057
7	Alarm pressure switch for all valves (250V 4A)	A027223
8	Neutralization valve without housing	A028781
8	Neutralization valve with housing	A028782
9	Filling nozzle	A014083
10	Blowing nozzle	A020280
11	Standalone 106 dB siren with built-in flash	A020659
12	Guillotine grille 280x280 24V DC power supply	A028689
12	Guillotine grille 340x340 24V DC power supply	A028688
13	Power supply 24V 60W for Grid	A028561
14	Thermal Activator 68°C IHP/ILP	A027852
15	Mounting bracket Thermal Activator	A028558
16	Transmitter GSM/PSTN 230V 8 Ent Vocal Digital	A028413
17	Fire Cushion L 250x180x35mm	A028416

SENSING LINE

N°	DESIGNATION	ITEM N°
Panels 150x60		
19	Installation protected by a FIRETREX automatic system	A021726
20	FIRETREX manual extinguishing control	A021727
21	Danger asphyxiation CO ₂	Consult us
22	Valve Neutralization Face FR 210x297mm	A029926
23	Valve Neutralization Face EN 210x297mm	A029929
Firetrex tube and tube accessory		
24	FIRETREX tube black 148 C° - per metre	A014572
25	Stainless steel protection spring for FIRETREX detection tube - In reel of 10 meters	A020281
Instantaneous brass fitting diameter 6 double seal sensing tube		
Pictures p.168	Straight union diameter 6	A014544
	Elbow diameter 6	A014546
	Tee equal diameter 6	A014545
	Straight 6 G 1/8" diameter	A016633
	Elbow diameter 6 G1/8"	A016632
	Tee diameter 6 G1/8"	A016631
Sleeve fitting + Sensing tube high-vibration seal		
Pictures p.168	Straight union diameter 6	A027019
	Elbow diameter 6	A027022
	Tee equal diameter 6	A027025
	Straight 6 G 1/8" diameter	A027018
	Elbow diameter 6 G1/8"	A027021
	Tee diameter 6 G1/8"	A027023
	End of line plug	A027020
End of line 6 for pressure gauge	A027024	

INSTALLATION ACCESSORIES

DESIGNATION	ITEM N°	
18	Equipped installation case (details p.170)	A026541
	Cable gland D9	A014745
	D6 wire grommet	A002442
	FIRETREX pipe clamp plastic	A016629
	FIRETREX metal rubber tube clamp	A002440
	Clamp Alu + rubber Ø 10-12 for stainless steel springs	A021774
	Colring (pack of 100)	A009087
	Self-adhesive base for a colson collar	A002441

↘ FIRE-EXTINGUISHING PIPE

BRASS RANGE

↘ NICKEL-PLATED BRASS CONNECTION DIAMETER 10 :

DESIGNATION	ITEM N°
Union equals diameter 10	A014736
Union diameter 10 G¼	A014737
Tee equal diameter 10	A014738
Tee diameter 10 G¼	A014739
Elbow diameter 10 G¼	A014740
Equal elbow diameter 10	A014741

↘ PIPING AND SUPPORTS :

DESIGNATION	ITEM N°
Electrogalvanized tube diameter 10 per meter ep1 mm	A024975
Clamp shell diam 10 steel screws	A017540
Clamp shell diam 16 steel screws	A017541
Clamp aluminium shell diam 10 steel screws	A023501
Clamp aluminium shell diam 16 with steel screws	A023502
Shell Necklace D10+D10 (PP black) & accessories Steel	Consult us

STAINLESS STEEL RANGE

↘ STAINLESS STEEL CONNECTION DIAMETER 10 :

DESIGNATION	ITEM N°
Stainless steel ring fitting with equal union Ø 10	A014742
Stainless steel ring fitting Te egal Ø 10	A014525
Connection Equal elbow Ø 10 stainless steel	A014540
Stainless steel ring fitting Male elbow Ø10 1/4	A014526
Stainless steel ring fitting Te Ø 10 1/4	A014924

↘ PIPING AND SUPPORTS :

DESIGNATION	ITEM N°
Pipe diam 10 by the metre ep1 mm INOX	A014569
Shell Necklace D10+D10 (PP black) & stainless steel accessories	Consult us
Shell Necklace D16+D10 (PP black) & stainless steel accessories	Consult us
Shell Necklace D16 + D10 (PP black) & Accessories	Consult us

OTHERS

↘ BUSES :

DESIGNATION	ITEM N°
FIRETREX stainless steel CO ₂ diffusion nozzle	A014083
KEA05 CO ₂ diffuser nozzle red	A020280

↘ FLEXIBLE :

DESIGNATION	ITEM N°
Hose R 2 5 800 mm Fem Z1.8+ 1 porl 10	A022426
Hose extension CO ₂ connection M10 lg1500 mm	A022427
Hose (extension) CO ₂ MF DN10 1000mm CO ₂ MF DN10 1000 mm	A026943

↘ SPECIFIC CONNECTION :

DESIGNATION	ITEM N°
Bulkhead bulkhead adapter nozzle fitting	A014528
Bulkhead bulkhead 1/4 for nozzle connection	A014527
Extension M/F cylindrical 1/4-1/4 height 27mm	A014743
Extension M/F cylindrical 1/4-1/4 height 43mm	A014744
Réduction male femelle cylindrique 1/2-1/4	A021070
Check valve HP 1/2	A022430
Check valve HP 1/4	A022431
Double junction Ø 10	A021069
MF BSP 1/4 45° Elbow	A022428
Elbow through bulkhead Ø 10	A022429
Bulkhead crosspiece nickele with ring DN10	A023496
Bulkhead rail 1/2	A023498

↘ You will find the visuals of the spare parts and the extinguishing pipes at p.168.